Scientific Notation Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Used to represent numbers that are very large or very small.

Notation= # X 10 +/- n

1 < # > 10 This means that the first part has to be between the numbers 1 and 10

X 10 This is just a notation that means we are using scientific notation

+ This tells you that we are representing a large value

- This tells you that we are representing a small value

n This tells you how far to move the decimal point

For questions 1-6 represent the given number in scientific notation.

1. 6,700 🡪 ?
2. 34,300,000 🡪 ?
3. 0.000467 🡪 ?
4. 0.0345 🡪 ?
5. 2,458 🡪 ?
6. 2.67 🡪 ?

For questions 7-12 represent the scientific notation number in long form.

1. 3.45 X103 🡪 ?
2. 2.11 X10-2 🡪 ?
3. 5.56 X10-6🡪 ?
4. 8.4 X107 🡪 ?
5. 3.24 X101 🡪 ?
6. 4.78 X100 🡪 ?